

Title (en)

Ink loader having optical sensors to identify solid ink sticks

Title (de)

Tintenlader mit optischen Sensoren zur Identifizierung fester Tintenstifte

Title (fr)

Chargeur d'encre ayant des capteurs optiques pour identifier des bâtons d'encre solide

Publication

EP 2722184 B1 20160914 (EN)

Application

EP 13187864 A 20131009

Priority

US 201213653787 A 20121017

Abstract (en)

[origin: EP2722184A2] An ink loader(100) enables identification of features on a solid ink stick placed on an ink stick support in the ink loader. The ink loader includes two optical sources (124,144) configured to emit diffuse light toward different surfaces of the solid ink stick. Two corresponding sets of optical sensors (128A-D;148A-D) are positioned to receive light reflected from identifying features, if present, on the solid ink stick. A controller (112) receives signals generated by the two sets of optical sensors and identifies the ink stick with reference to the signals from the sensors.

IPC 8 full level

B41J 2/175 (2006.01)

CPC (source: EP KR US)

B41J 2/175 (2013.01 - KR); **B41J 2/17593** (2013.01 - EP US); **B41J 29/38** (2013.01 - KR)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2722184 A2 20140423; **EP 2722184 A3 20150325**; **EP 2722184 B1 20160914**; CN 103770470 A 20140507; CN 103770470 B 20161019; KR 20140049466 A 20140425; US 2014104340 A1 20140417; US 8727478 B2 20140520

DOCDB simple family (application)

EP 13187864 A 20131009; CN 201310473142 A 20131011; KR 20130119780 A 20131008; US 201213653787 A 20121017